



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

CHEN et al.

Atty. Ref.: 2476-37

Serial No. 10/730,381

TC/A.U.: 2815

Filed: 09 December 2003

Examiner: Jackson Jr., Jerome

For: PROGRAMMABLE PHOTOLITHOGRAPHIC MASK BASED ON
SEMICONDUCTOR NANO-PARTICLE OPTICAL MODULATORS

November 3, 2006

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

In accordance with Rule 97, the undersigned attorney submits the documents listed on the attached forms PTO/SB/08. A copy of each document other than US patents is enclosed.

The Examiner's attention is also directed to the following co-pending U.S. Patent applications and the prior art cited therein:

- Application No. 10/730,382, filed December 9, (atty. dkt. no. 2476-36)
- Application No. 10/792,377, filed March 4, 2004 (atty. dkt. no. 2476-39)

The Examiner is requested to initial the attached forms and to return a copy as an indication that the listed documents have been considered and made of record in this case.

Pursuant to Rule 37 C.F.R. §1.97(c), a fee of \$180.00 as specified in Rule 17(p) is attached. If there is any shortage in the fee, please charge the deposit account of Nixon & Vanderhye, Account No. 14-1140.

Respectfully submitted,

NIXON & VANDERHYE P.C.

By: 

Robert W. Faris
Reg. No. 31,352

RWF:ejs
901 North Glebe Road, 11th Floor
Arlington, VA 22203-1808
Telephone: (703) 816-4000 / Facsimile: (703) 816-4100

11/06/2006 MAILED1 08000039 10730381
01 FC:1006

100.00 0P


**INFORMATION DISCLOSURE
CITATION**

ATTY. DOCKET NO.

2476-37

APPLICANT

CHEN et al.

FILING DATE

09 December 2003

SERIAL NO.

10/730,381

GROUP

2815

(Use several sheets if necessary)

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	6,440,637	08/2002	Choi et al.			
	6,826,144	11/2004	Ichihara et al.			
	6,927,002	08/2005	Hattori et al.			
	2002/0182541A1	12/2002	Gonsalves			
	2004/0152011A1	08/2004	Cyen et al.			
	2003/0117598 A1	06/2003	Case et al.			

FOREIGN PATENT DOCUMENTS

DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
WO 03/009058 A2	01/2003	PCT			

OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)

	Empedocles, S.A. et al., "Quantum-Confined Stark Effect in Single CdSe Nanocrystallite Quantum Dots," SCIENCE, 278, 2114 (12/19/1997).
	Gribkovskii, P., V.A. Zyul'kov, A.E. Kazachenko, and S.A. Tikhomirov, "Optical Nonlinearity of Semiconductor Microcrystal CdS_xSe_{1-x} Under the Action of Picosecond and Nanosecond Laser Pulses", 1988, Phys. Stat. Sol. (b) 158: 359-66.
	Kageshima, H. et al., "InGaAs/GaAs photorefractive multiple quantum well device in quantum confined Stark geometry." Appl. Phys. B 72, 685-689(2001).
	Nagase, et al., "Super-Resolution Effect of Semiconductor-Doped Glass," Jpn. J. Appl. Phys. Vol. 38 (1999), pp. 1665-1668, Part 1, No. 3B (03/1999)
	Ooki, Hiroshi et al., "Experimental study on non-linear multiple exposure method," SPIE Vol. 3051, pp. 85-93, Santa Clara, California (March 12-14, 1997)
	Sclafani, A. et al., "Effect of silver deposits on the photocatalytic activity of titanium dioxide samples for the dehydrogenation or oxidation of 2-propanol," J. Photochem. Photobiol. A: Chem. 1991, 59, 181.
	Shibuya, Masato et al., "Performance of Resolution Enhancement Technique Using Both Multiple Exposure and Nonlinear Resist," Jpn. J. Appl. Phys. Vol. 33 (1994), pp. 6874-6877, Part 1, No. 12B (12/1994)
	Zimin, L.G. et al., "Room-temperature Optical Nonlinearity in Semiconductor-doped Glasses", Phys. Stat. Sol. (b) 150:653-6 (1988)

* Document not available.

*Examiner

Date Considered

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Initial this form with next communication to application.